

**United States Environmental Protection Agency
Region IX
POLLUTION REPORT**

Date: Monday, February 23, 2009

From: Janet Yocum

Subject: Removal Action FINAL Polrep
Hakimo Road AKA Botelho
Waianae, HI
Latitude: 21.4153000
Longitude: -158.1475000

POLREP No.:	1	Site #:	
Reporting Period:		D.O. #:	
Start Date:	2/17/2009	Response Authority:	CERCLA
Mob Date:	2/16/2009	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:		Contract #	
RCRIS ID #:			

Site Description

On May 13, 2008, EPA's Criminal Investigative Division ("CID") served a criminal warrant at the property and requested assistance from EPA's Emergency Response Section to assess and manage hazardous wastes found on site. The request for assistance to the Emergency Response Section specifically included: 1) supporting entry teams, 2) conducting exploratory excavation and 3) overall Site assessment for hazardous materials.

On entry, EPA divided the Site into areas of concern ("AOCs") based on suspected or observed activities to screen for hazardous materials. The AOCs were identified as: 1) Residential Areas; 2) Trench Excavation Areas; 3) Fill/Mud/Sand Blast Area; 4) Auto Area; 5) Food Scrap Area; 6) Farm and 7) Green Conex Box.

AOC 1—Residential Areas

Once the initial warrant entry team secured the residents on the property, EPA OSC, START contractor and United States Coast Guard's special force, Pacific Strike Team, entered the Site. Residential areas were screened for hazardous conditions before evidence collection teams entered. No hazardous materials were identified within the residences.

AOC 2—Trench Excavation Areas

Information provided to the team indicated that there were at least five areas on the Site where hazardous waste had been buried. Locations were identified by CID for the EPA OSC and contractors. Exploratory excavation occurred in these areas to explore the subsurface condition and to recover buried hazardous wastes, if any. Mechanized equipment on scene was limited in its reach to a depth of no greater than an estimated 17.0 feet below ground surface ("ft bgs"). Food

slop, tires, batteries and general solid waste debris were observed at various depths within various trenches at the Site. Two 5-gallon pails were uncovered that contained residual petroleum waste, including what appeared to be roofing tar. Exploratory trenches were backfilled with existing materials.

AOC 3—Fill/Mud/San Blast Area

This area of operations bordered the stream. One sample collected by National Enforcement Investigations Center of the sand blast grit failed toxicity characteristic leaching procedures (“TCLP”) characterization for lead. The grit has sloughed into the stream bed and can mobilize from the site.

AOC 4—Auto Area

While vehicles were abandoned in many areas on the Site, this area appeared to be a primary storage area of non-operating vehicles. Five-gallon pails of oil and oil related materials were found abandoned within this area and were collected and consolidated for disposal.

AOC 5—Food Scrap Area

Prior to the entry, the food scrap area appeared on aerial photos as a trailer with various drums and other containers on it. No hazardous materials were identified in this area.

AOC 6—Farm

A resident previously informed CID that waste containers were buried under the farm. Based on this information, EPA used ground penetrating radar (“GPR”) to screen the subsurface (up to 3.0 ft bgs) soils for metal anomalies that could be buried metal waste containers. One anomaly was detected within the range of GPR and was later determined to be waste scrap metal and was removed. Soil samples were collected from 0 to 1.0 ft. bgs to determine whether any metals contamination was in the soil. No hazardous constituents were detected in the soil.

AOC 7—Green Conex

Located between the stream and AOC 4—Vehicle Area, the green conex was used for the storage of batteries. There were a number of palletized batteries observed in this area. At the east corner of the conex, there were batteries that had their cases opened with lead sheets exposed. The ground in the area was observed to be discolored. Soils were screened using x-ray fluorescence technology instruments. Screening samples reported concentrations of lead in the soil at up to 46,400 milligram per kilogram (“mg/kg”) exceeding the residential soil preliminary remediation goal (“PRG”) concentration of 400 mg/kg, presenting an imminent and substantial endangerment to human health and the environment.

The property owner was ordered to perform an assessment and cleanup on the property. On November 11, 2008, the PRP failed to submit an adequate Work Plan, and US EPA undertook performance.

Site action levels are established at 200 mg/kg (lead), 500 mg/kg (chrome) and 20 mg/kg (arsenic), in accordance with Hawaii Department of Health ESL.

Current Activities

2/17/09: EPA-1; START-2; ERRS-5. Mobilization to the site included establishing site security, receiving equipment and materials and two office trailers. The START flagged areas previously identified for excavation.

2/18/09: EPA-1; PST-2; START-2; ERRS-5. Excavation commenced in the drainage on the southeast corner of the property. fencing along the drainage had been pushed down by what appears to have been fast or high water flows (with debris visible on the upstream side of the fence caught in links) in the area. One point in the drainage had previously reported high for chrome. Based on observed flow markings, the drainage was resampled and determined to have high levels of chrome where previously there were none. 10 soil samples plus 1 duplicate sample were collected and submitted to the R9 lab for analysis.

2/19/09: EPA-1; PST-2; START-2; ERRS-5.

State of Hawaii OSCs on site. Excavation begins in the back southeast corner of the property. A drainage channel in the area appeared to have suffered high volume or flow resulting in likely transportation of contaminated materials through the drainage channel. Additional sampling was directed and performed with high levels of chromium detected in the drainage.

2/20/09: EPA-1; PST-2; START-2; ERRS-5.

Excavation continued in the area near the eastern border of the property. Delineation sampling continues. Bones were found in two locations on the property. The State of Hawaii Preservation Office was called to site and sent an archeologist and a field technician. The archeologist determined the bones in both locations to be non-human. Honolulu Police Department also responded.

2/23-26/09: EPA-1, PST-2, START-2, ERRS-5.

Excavation and sampling continue through this period. Abandoned compressed gas cylinders were collected and stockpiled. Abandoned drums (55 gal) were collected and stockpiled to be sampled for disposal. On 2/26/09, Property Owner's representative on site.

2/27/09: EPA-1, PST-2, START-2, ERRS-5.

Excavation continues with a lot of the hazardous waste being excavated in the auto area and placed into triwall boxes for disposal. A State of Hawaii, Solid Waste Branch representative was on site and did a site walk. EPA discussed the area near the east fence that had chromium contamination widely distributed at ground surface. The excavation maps were reviewed highlighting an area used for placement of the solid waste/food slop fill being much higher in grade. EPA suggested to the State representative that additional chromium contaminated soils could be present at natural grade or ground surface beneath the fill.

3/02/09: EPA-1, PST-2, START-2, ERRS-5.

Gaspro on site to collect a number of abandoned cylinders, reducing the cost to the project for disposal. However, not all cylinders were retrieved by the company. Another vendor is being contacted and offered a chance to pick up their bottles. Bottles that are left behind are to be deheaded and recycled. Confirmation sampling and delineation sampling continue. Regrading in areas previously excavated and identified as "clean" through XRF begins. Grade will be restored without import fill.

03/03/09: EPA-1, PST-2, START-2, ERRS-5.

Continued excavation on the auto area today. Visit from PRP contractor representative. Restoration/grading on other site areas continued. Sampling continued.

03/04/09: EPA-1, PST-2, START-2, ERRS-5.

Excavation of lead contaminated soil to be disposed of as hazardous waste continues. Confirmation sampling begins.

03/05/09: EPA-1, PST-2, START-2, ERRS-5.

Excavation completed. Waste being transported for disposal today. Confirmation sampling completed with samples sent to the R9 laboratory for analysis.

03/06/09: EPA-1.

Demobilization completed.

Planned Removal Actions

None.

Next Steps

The State of Hawaii Solid Waste Branch will work with the property owner to conduct further cleanup on the site. There are a lot of abandoned tires and other solid waste that requires removal.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$500,000.00	\$0.00	\$500,000.00	100.00%
IAGs	\$25,000.00	\$0.00	\$25,000.00	100.00%
RST/START	\$154,000.00	\$0.00	\$154,000.00	100.00%
Intramural Costs				
Total Site Costs	\$679,000.00	\$0.00	\$679,000.00	100.00%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

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